

OPINION 1433

Calymene Brongniart in Brongniart & Desmarest, 1822 (Trilobita): conserved

Ruling

(1) Under the plenary powers the following names are hereby suppressed for the purposes of the Principle of Priority but not for those of the Principle of Homonymy:

(a) *Calymena* Desmarest, 1817;

(b) *tuberculatus* Brünnich, 1781, as published in the binomen *Trilobus tuberculatus*.

(2) The name *Calymene* Brongniart in Brongniart & Desmarest, 1822 (gender: feminine), type species, by subsequent designation by Milne Edwards (1844), *Calymena blumenbachii* Brongniart in Desmarest, 1817, is hereby placed on the Official List of Generic Names in Zoology.

(3) The name *blumenbachii* Brongniart in Desmarest, 1817, as published in the binomen *Calymena blumenbachii* (specific name of the type species of *Calymene* Brongniart in Brongniart & Desmarest, 1822) is hereby placed on the Official List of Specific Names in Zoology.

(4) The name CALYMENIDAE Milne Edwards, 1840 (type genus *Calymene* Brongniart in Brongniart & Desmarest, 1822) is hereby placed on the Official List of Family-Group Names in Zoology.

(5) The name *Calymena* Desmarest, 1817 as suppressed in (1) (a) above is hereby placed on the Official Index of Rejected and Invalid Generic Names in Zoology.

(6) The name *tuberculatus* Brünnich, 1781, as published in the binomen *Trilobus tuberculatus* and as suppressed in (1) (b) above, is hereby placed on the Official Index of Rejected and Invalid Specific Names in Zoology.

History of case 637

An application to resolve the spelling of several trilobite generic names, due for inclusion in the *Treatise of Invertebrate Paleontology*, was first received from Dr J. M. Weller (*Walker Museum, University of Chicago, U.S.A.*) on 6 December 1951. Subsequent correspondence with the author was not answered and the case lapsed. The trilobite section of the *Treatise* appeared in 1959. In 1960 the then Secretary, Mr R. V. Melville, approached Professor H. B. Whittington (then of *Museum of Comparative Zoology, Harvard University, U.S.A.*, and one of the main authors of the trilobite section of the *Treatise*). Prof Whittington favoured conservation of *Calymene* Brongniart, 1822 rather than the re-introduction of *Calymena* Desmarest, 1817, i.e. the opposite to Dr Weller's original suggestion. The case was not proceeded with until 1983 when Prof Whittington (*University of Cambridge, U.K.*) raised the question, and after correspondence an application was published in BZN 40: 176–178 (October 1983). Notice of the case was given to ten general and two specialist serials. A complication arose over *Calymena blumenbachii* — the nominal type species of both *Calymena* and *Calymene* — and a rider to the case was prepared by Prof Whittington and Dr D. J. Siveter (*University of Hull, U.K.*) This was published in BZN 43: 105–106 (April 1986).

Notice of the case was given to twelve general and three specialist serials. Dr Holthuis pointed out that Milne Edwards had designated a type species for *Calymene* in 1844, and this has been included in the ruling.

Decision of the Commission

On 1 December 1986 the members of the Commission were invited to vote for or against the proposals published in BZN 43: 177–178 and the additional proposal (2) published in BZN 43: 106. Attention was drawn to the type species designation by Milne Edwards. At the close of the voting period on 1 March 1987 the state of the voting was as follows:

Affirmative votes — 17: Bayer, Bernardi, Cocks, Cogger, Corliss, Hahn, Halvorsen, Holthuis, Kabata, Kraus, Lehtinen, Melville, Mroczkowski, Savage, Starobogatov, Trjapitzin, Willink.

Negative votes — 2: Alvarado, Schuster.

Dupuis abstained, suggesting that *Calymene* could be regarded as a justified emendation of *Calymena* Brongniart in Desmarest, 1817.

Gruchy and Ride were on leave of absence. No votes were returned by Heppell, Thompson and Uéno.

Original references

The following are the original references to the names placed on Official Lists and Indexes by the ruling given in the present Opinion:

blumenbachii, *Calymena*, Brongniart in Desmarest, 1817, *Nouveau Dictionnaire d'Histoire Naturelle*, ed. 2, vol. 8, p. 517

Calymena Desmarest, 1817, *Nouveau Dictionnaire d'Histoire Naturelle*, ed. 2, vol. 8, p. 517

Calymene Brongniart in Brongniart & Desmarest, 1822, *Histoire naturelle des Crustacés fossiles*, p. 11

CALYMENIDAE Milne Edwards, 1840, *Histoire naturelle des Crustacés*, in Roret's *Suites à Buffon*, vol. 3, p. 293

tuberculatus, *Trilobus*, Brünnich, 1781, *Nye Samling, af det Kongelige Danske Videnskabers Selskabs Skrifter*, 1: 389.

The following is the original reference to the designation of a type species for the nominal genus *Calymene* Brongniart in Brongniart & Desmarest, 1822:

Calymene blumenbachii Brongniart in Desmarest, 1817 by Milne Edwards, 1844 in Cuvier, *Le règne animal*, Disciples edition, vol. 18, pl. 80, fig. 1.